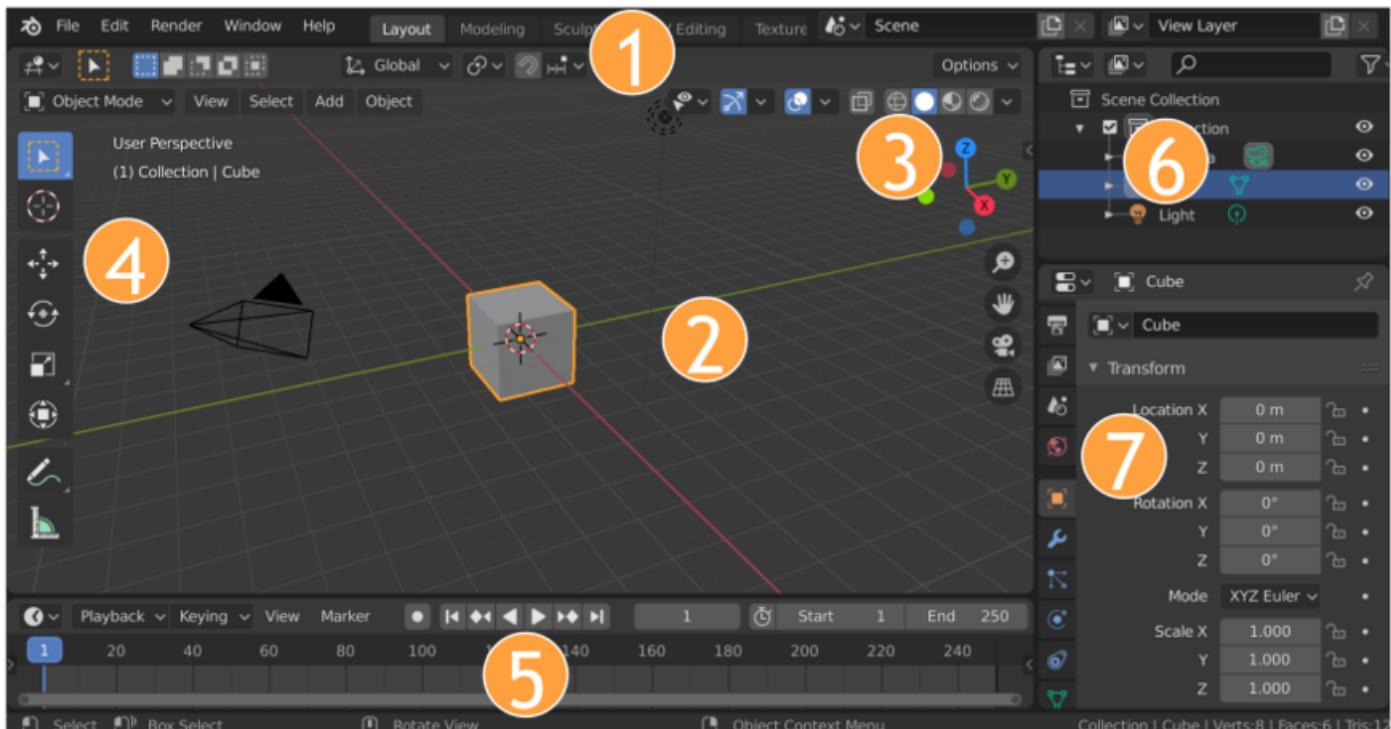


# Quick Reference Sheet



① Workspaces   ② 3D View   ③ Shading Modes   ④ Toolbar   ⑤ Timeline   ⑥ Outliner   ⑦ Properties

## Navigation

**MMB (pressed):** **Rotate** view  
**MMB (scrolled):** **Zoom** view  
**SHIFT + MMB:** **Move** view

**Numpad 0** Switch to **active** camera view  
**Numpad 1 (+CTRL):** **Front (back)** view  
**Numpad 3 (+CTRL):** **Right (left)** view  
**Numpad 7 (+CTRL):** **Top (bottom)** view  
**Numpad 5:** Toggle **orthographic / perspective**  
**Numpad 2, 4, 6, 8:** Rotate view **down, left, right, up**  
**Home:** **Center view** on all objects

## Manipulation

**g:** „**Grab**“ - translate  
**s:** „**Scale**“ - scale  
**r:** „**Rotate**“ - rotate  
**→ + x, y, z:** Along **global** x, y or z axis  
**→ + xx, yy, zz:** Along **local** x, y or z axis  
**→ + value:** By a **specific value**  
**ALT + g, s, r:** **Reset** position, scale or rotation

**LMB:** Select  
**a (twice):** Select or deselect **all**  
**c:** „**Circle select**“ - paint selection  
**b:** „**Border select**“ - select using a rectangle  
**CTRL + j:** **Join** selected  
**DEL, x:** **Delete** selection  
**h:** **Hide** selection  
**ALT + h:** **Unhide** selection

## 3D View

**SHIFT + a:** **Add** / Create new object  
**SHIFT + s:** **Snap** / Reset 3D Cursor  
**SHIFT + d:** **Duplicate** selection  
**F3:** Open search bar  
**CTRL + z:** **Undo** last action  
**CTRL + SHIFT + z:** **Redo** last action

**t:** Toggle „**tool panel**“  
**n:** Toggle „**properties** panel“  
**CTRL + SPACE:** Toggle current view to **fullscreen** mode  
**TAB:** Toggle between Object- and Editmode  
**CTRL + TAB:** Toggle modes (Object, Edit, Sculpt, ...)

**i:** **Insert keyframe** at current frame  
**ALT + i:** Delete current keyframe  
**SPACE:** **Play** animation

**F12:** **Render image** from active camera  
**CTRL + F12:** **Render animation** from active camera

## Edit-Mode

**f:** **Fill faces**  
**e:** **Extrude** selection  
**i:** **Inset** selection  
**CTRL + r:** **Loop cut**

**L:** Select linked elements (near mouse position)  
**CTRL + L:** Select linked elements (near selection)  
**ALT + LMB:** Select vertex, edge or face loop

**CTRL + V:** „**Vertex**“ commands menu  
**CTRL + E:** „**Edge**“ commands menu  
**CTRL + F:** „**Face**“ commands menu  
**RMB:** „**Specials**“ commands menu